



VMC GROUP
THE POWER OF TOGETHER™



CERTIFICATE OF COMPLIANCE

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS



Certification No.

VMA-54270-01C (Revision 2)

Expiration Date: 05/31/2029

Certification Parameters:

The nonstructural products listed on this certificate are **CERTIFIED¹** FOR SEISMIC APPLICATIONS in accordance with the following building code³ releases.

IBC 2021, 2018

The following model designations, options, and accessories are included in this certification. Reference report number **VMA-54270-01** as issued by VMC Group for a complete list of certified models, included accessories/options, and certified installation methods.

Diversitech; HVAC Floor Stands and Wall Brackets QSMS, QSTD, QSWB

The above referenced equipment is **APPROVED** for seismic application when properly installed⁴, used as intended, and references this Certificate of Compliance. Approval is limited by the tabulated values and for below grade, grade, and roof-level installations as shown in the chart below. Equipment Importance Factor assigned is $I_p=1.0$. The equipment is qualified by finite element analysis of worst-case representative sample of certified product, by ISO Accredited Product Certification Agency, the VMC Group.

Certified Seismic Design Levels

Certified IBC	Importance $I_p \leq 1.0$ Soil Classes A-E Risk Categories I-IV Design Categories A-F	$z/h = 1.0$	$z/h \leq 0.0$
		$S_{DS} \leq 2.3 g$	$S_{DS} \leq 2.3 g$

Certified Seismic Installation Methods

Rigid mounting from unit base to rigid structure
Rigid mounting to structural wall

HEADQUARTERS
113 Main Street
Bloomington, NJ 07403
Phone: 973.838.1780
Toll Free: 800.569.8423
Fax: 973.492.8430

CALIFORNIA
180 Promenade Circle
Suite 300
Sacramento, CA 95834
Phone: 916.634.7771

TEXAS
11930 Brittmoore Park Drive
Houston, TX 77041
Phone: 713.466.0003
Fax: 713.466.1355

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Certified Product Table:

Model	Max. Length [in]	Max. Height [in]	Max. Width [in]	Max. Supported Equip. Weight [lbs]	Mounting
QSMS1201	38	13	32	400	Rigid Base
QSMS1202	38	13	32		
QSMS1204	38	13	32		
QSMS1205	38	13	32		
QSMS1801	38	19	32		
QSMS1802	38	19	32		
QSMS1804	38	19	32		
QSMS1805	50	19	32		
QSMS2401	38	25	32		
QSMS2402	38	25	32		
QSMS2404	38	25	32		
QSMS2405	50	25	32		
QSTD3000	38	19	32		
QSTD3000-12	38	13	32		
QSWB2004	44	18	30	400	Rigid Wall
QSWB2005	44	18	30		
QSWB4000	44	18	30		



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Notes and Comments:

1. Worst case representative sample from all **Minisplit Stands and Wall Brackets** listed herein was selected for analysis. It was analyzed using seismic loading criteria for non-structural components as set forth in the ASCE 7 chapter 13. The analyzed **Minisplit Stand and Wall Bracket** cited in this certification was a representative sample(s) of a contingent of models and based on the analysis of selected **Minisplit Stands and Wall Brackets**, all other listed sizes are deemed structurally sound to resist mentioned seismic criteria. Although a seismically certified **Minisplit Stand and Wall Bracket** inherently contains some wind resisting capacity, that capacity is undetermined and is excluded from this certification. Snow/Ice loads have been neglected and thus limit the **Minisplit Stand and Wall Bracket** to be installed both indoors (covered by an independent protective structure) and out of doors (exposed to accumulating snow/ice) for ground snow loads no greater than 30 psf for all applications.
2. Equipment mounted on top of certified **Minisplit Stand and Wall Bracket** are not covered under this certification. Weight of equipment supported **Minisplit Stand and Wall Bracket** should not exceed weight listed in the certified product table.
3. The following building codes are addressed under this certification:
IBC 2021 – referencing ASCE7-16
IBC 2018 – referencing ASCE7-16
4. Refer to the manufacturer supplied installation drawings for anchor requirements and mounting considerations for seismic applications. Required anchor locations, size, style, and load capacities (tension and shear) may be specified on the installation drawings or specified by a 3rd party. Mounting requirement details such as anchor brand, type, embedment depth, edge spacing, anchor-to-anchor spacing, concrete strength, special inspection, wall design, and attachment to non-building structures must be outlined and approved by the Engineer of Record for the project or building. Structural floors, and housekeeping pads must also be seismically designed and approved by the project or building Structural Engineer of Record to withstand the seismic anchor loads as defined on the installation drawings. The installing contractor is responsible for observing the installation detailed in the seismic installation drawings and the proper installation of all anchors and mounting hardware.
5. Where applicable, Mechanical, Electrical, and Plumbing connections to the equipment supported by **Minisplit Stands and Wall Brackets** must be flexibly attached as to not transfer load through the connection. The structural integrity of any conduit, cable trays, piping, ductwork and/or flexible connections is the responsibility of others. This certification does not guarantee the **Minisplit Stands and Wall Brackets** will remain compliant to NEMA, IP, UL, or CSA standards after a seismic event.
6. This certificate applies to Super Stands manufactured at:
15 4th St, Taunton, MA 02780
180, Jalan 5, Kompleks Perabot Olak Lempit 42700 Banting, Selangor Malaysia

John P. Giuliano, PE
President, The VMC Group



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